Genesis Solar Energy Project

Toward a safe, clean energy future: The Genesis Solar Energy Project will use innovative solar technology to generate power for homes and businesses throughout California.

VITALS

Location: Riverside County, CA

Technology: Solar Thermal Parabolic Trough **Electricity production capacity:** 250 megawatts **Company:** NextEra Energy Resources, LLC/Genesis

Solar LLC



BY THE NUMBERS - the project is expected to:

- ✓ Generate enough electricity to power 75,000 187,500 homes
- ✓ Create 1,085 jobs at peak construction jobs and 50 permanent jobs
- ✓ Generate nearly \$628,000 of tax revenue initially in property taxes paid to Riverside County
- ✓ Apply for up to an \$800 million loan guarantee under the Financial Institution Partnership Program, a DOE Recovery Act program
- ✓ Be located on nearly 1,950 acres. The BLM oversees more than 1.5 million acres in Riverside County, including nearly 1 million managed for conservation.

A SMART, COLLABORATIVE PROCESS: In April of 2009 the Bureau of Land Management (BLM) committed to helping the nation reach its clean energy future by guaranteeing coordinated, focused processing, full environmental analysis and public review for specific renewable energy projects where the companies involved had demonstrated they were ready to advance to the formal environmental review and public participation process.

A UNIQUE, INNOVATIVE PARTNERSHIP: On October 12, 2009 Secretary Salazar and Governor Schwarzenegger signed an agreement directing Interior agencies and California State agencies to create a federal-state initiative to advance development of environmentally appropriate renewable energy on U.S. lands in California. The Genesis Solar Energy Project is one of the projects currently being jointly processed through the BLM and the California Energy Commission (CEC) cooperative model. The CEC licensed the project on September 29, 2010.

STRONG ENVIRONMENTAL REVIEW AND MITIGATION: The BLM worked closely with federal, state and local partners, members of the environmental and conservation community and interested stakeholders to advance environmentally sound projects.

- ✓ Desert Tortoise: Genesis Solar is providing funding for more than 1,870 acres of habitat suitable for Desert Tortoise.
- ✓ Alternative Habitat: Genesis Solar is also providing funding for the acquisition and enhancement of 135 acres of land to offset impacts to vegetation communities and habitat suitable for the Mojave fringe-toed lizard.
- ✓ Reduced Water Use: Using innovative dry-cooling technology, Genesis Solar will reduce the project's projected water use from 1,400 acre-feet per year to 200 acre-feet per year.

ANOTHER RECOVERY ACT LEGACY: The American Recovery and Reinvestment Act (ARRA) has served as an opportunity to transform the way we use energy, reducing our carbon emissions and creating entire new industries based on America's resources, America's ingenuity, and America's workers. Through the Recovery Act's payments in lieu of tax credits for specified energy program, Genesis Solar is eligible for payments of up to 30% of the eligible costs of the Genesis Solar Energy Project—approximately \$300 million. These payments are authorized by Section 1603 of the ARRA tax title.

THE BIG PICTURE: The Genesis Solar Project is one of the projects that will help achieve the Administration and Interior initiative to make a rapid and responsible move to large-scale production of renewable energy on public lands. The State of California is working to achieve a 33% Renewable Portfolio Standard, which will require 15,000 – 20,000 MW of renewable energy by 2020.